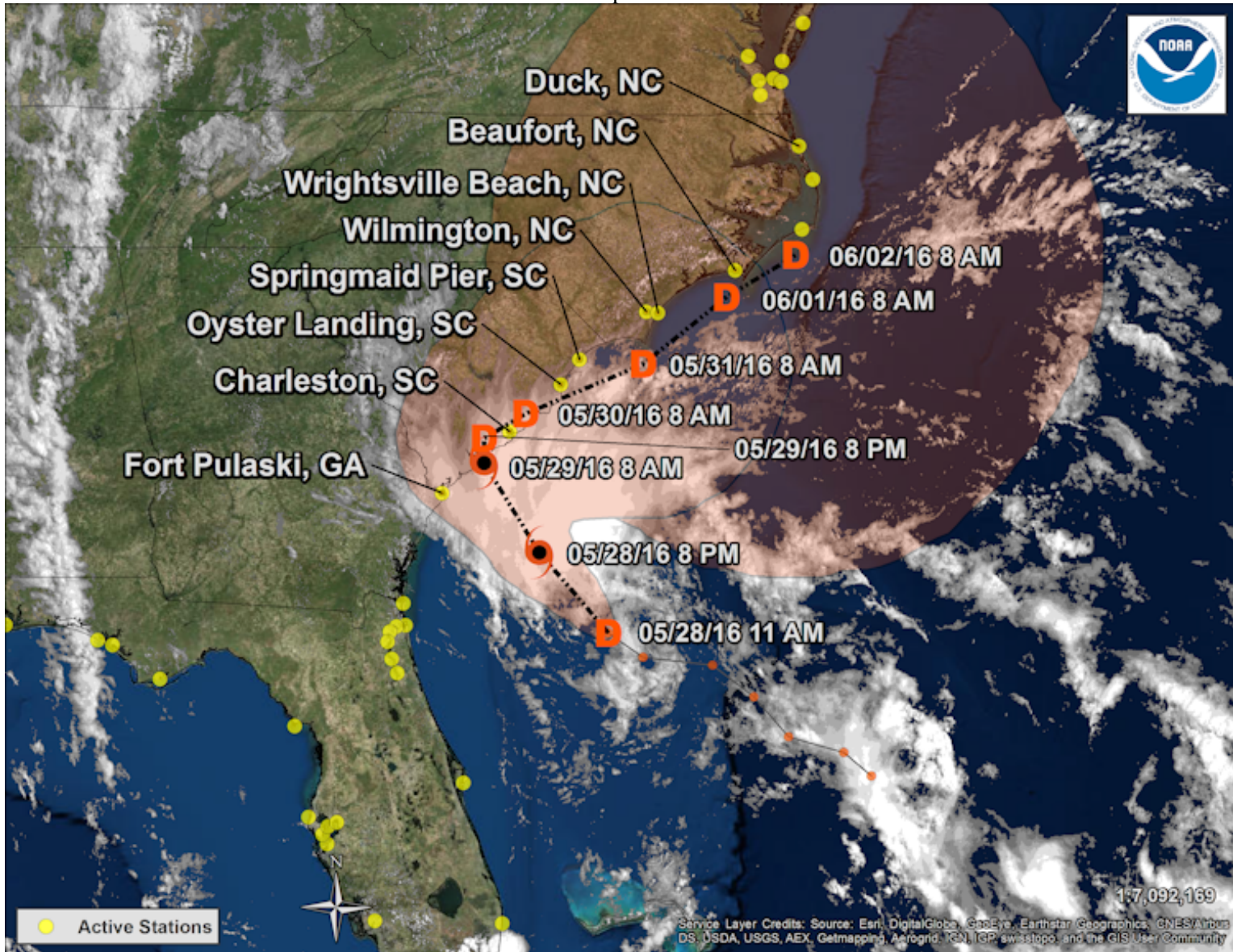




Tropical Depression TWO QuickLook Posted: 12:00 EDT 05/28/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/28/2016 12:00 EDT, water levels from Georgia to Beaufort, NC are slightly elevated and range from 0.25 to 1.0 ft. above normal tide levels. Winds are rising slightly at several stations across the region, though gusts remain below 20 kts. Barometric pressure is somewhat steady across the region at this time.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:TROPICAL DEPRESSION TWO
ADVISORY NUMBER 4
NWS NATIONAL HURRICANE CENTER MIAMI FL
1100 AM EDT SAT MAY 28 2016

...DEPRESSION FORECAST TO BECOME A TROPICAL STORM LATER TODAY...
...OUTER RAINBANDS APPROACHING THE SOUTH CAROLINA COAST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...
* Savannah River to Little River Inlet South Carolina

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area, in this case within 24 hours.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT (1500 UTC), the center of Tropical Depression Two was estimated by an Air Force Reserve reconnaissance aircraft to be near latitude 30.3 North, longitude 78.5 West OR ABOUT 195 MI...310 KM SSE OF CHARLESTON SOUTH CAROLINA AND ABOUT 250 MI...405 KM S OF CAPE FEAR NORTH CAROLINA. The depression is moving toward the northwest near 13 mph (20 km/h). This general motion, accompanied by a decrease in forward speed, is expected later today and on Sunday as the system nears the coast within the warning area.

Maximum sustained winds are near 35 mph (55 km/h) with higher gusts. Recent data from the reconnaissance aircraft indicate that the tropical cyclone remains just below tropical storm strength. However, the depression is forecast to become a tropical storm later today as it moves over the warm waters of the Gulf Stream.

The estimated minimum central pressure is 1009 mb (29.80 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected to first reach the coast within the warning area later tonight or early Sunday.

RAINFALL: The depression is expected to produce total rainfall accumulations of 1 to 3 inches from eastern South Carolina through southeastern North Carolina.

STORM SURGE: Storm surge inundation of 1 to 2 feet above ground level is possible within the tropical storm warning area.

SURF: This system is expected to produce life-threatening surf and rip current conditions along portions of the southeastern United States coast through the weekend. Please consult products from your local weather office.

NEXT ADVISORY

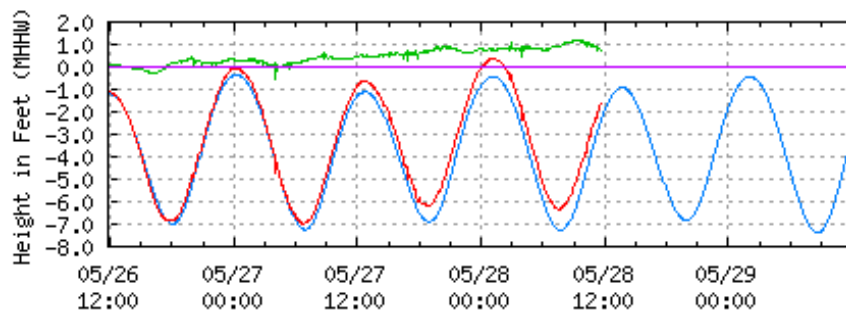
Next intermediate advisory at 200 PM EDT.
Next complete advisory at 500 PM EDT.

\$\$
Forecaster Stewart

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Duck - Water Level](#), [Duck - Winds](#)

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/28/2016 11:36 (EDT). Data relative to MHHW

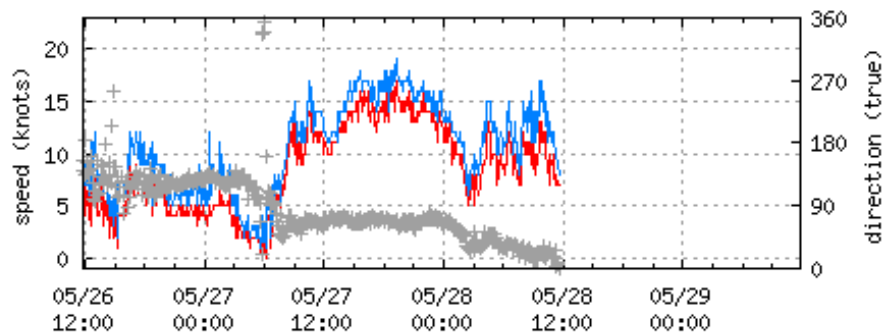
Observed: -1.67 ft. Predicted: -2.44 ft. Residual: 0.77 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 05/28/2016 13:42 (EDT), -0.92 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Wind Speed / Gusts / Direction

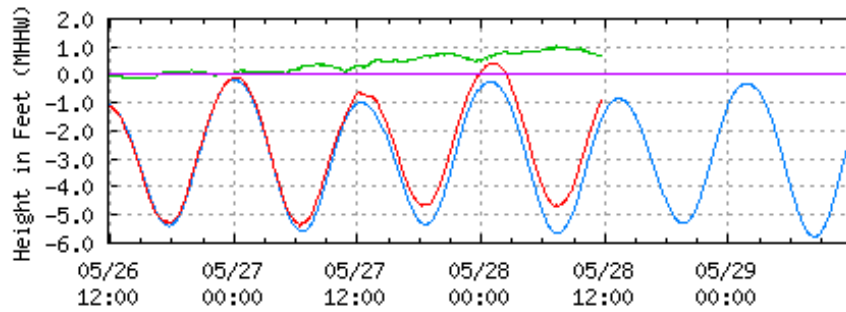


speed — gusts — direction +

Last Observed Sample: 05/28/2016 11:36 (EDT)

Wind Speed: 7 knots Gusts: 8 knots Direction: 1° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

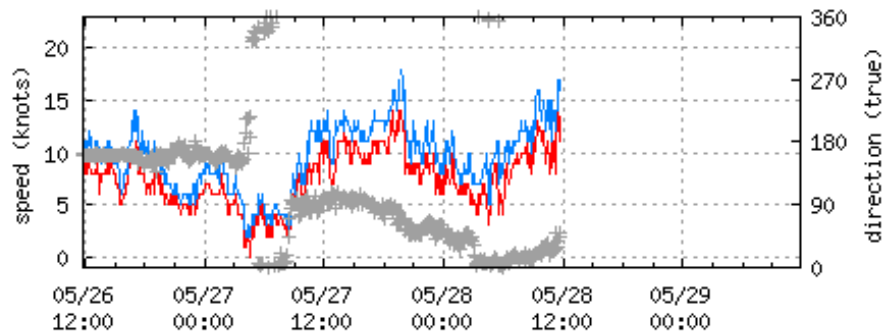
Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW

Observed: -0.87 ft. Predicted: -1.55 ft. Residual: 0.68 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 05/28/2016 13:22 (EDT), -0.85 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Wind Speed / Gusts / Direction

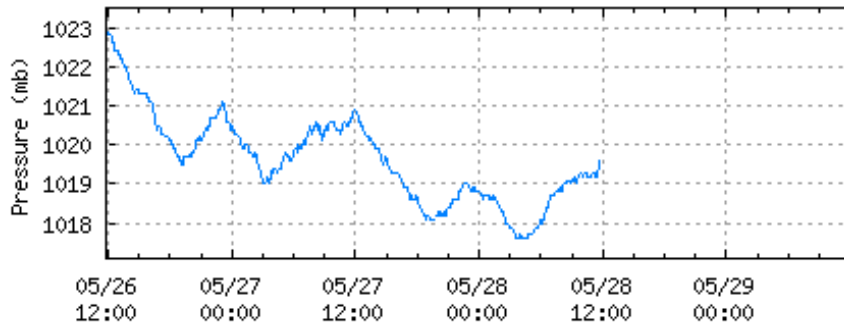


speed — gusts — direction +

Last Observed Sample: 05/28/2016 11:42 (EDT)

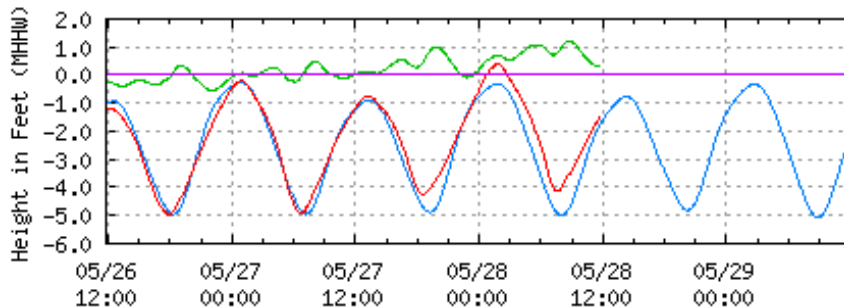
Wind Speed: 11 knots Gusts: 16 knots Direction: 45° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Barometric Pressure



barometric pressure —
Last Observed Sample: 05/28/2016 11:42 (EDT)
Barometric Pressure: 1019.6 mb

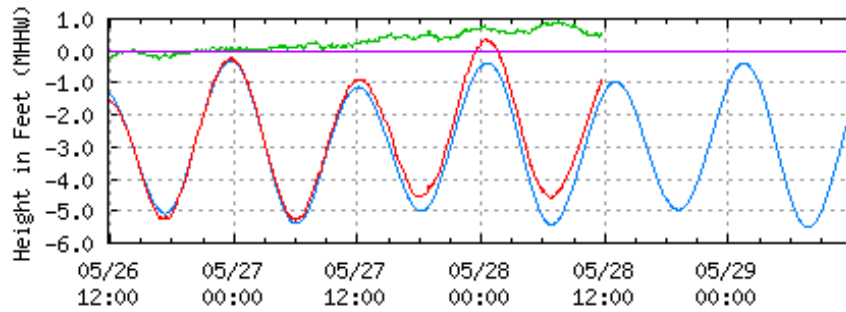
NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW
Observed: -1.48 ft. Predicted: -1.79 ft. Residual: 0.31 ft.
Historical Maximum Water Level: Aug 26 2011, 2.40 ft.
Next High Tide: 05/28/2016 14:19 (EDT), -0.77 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

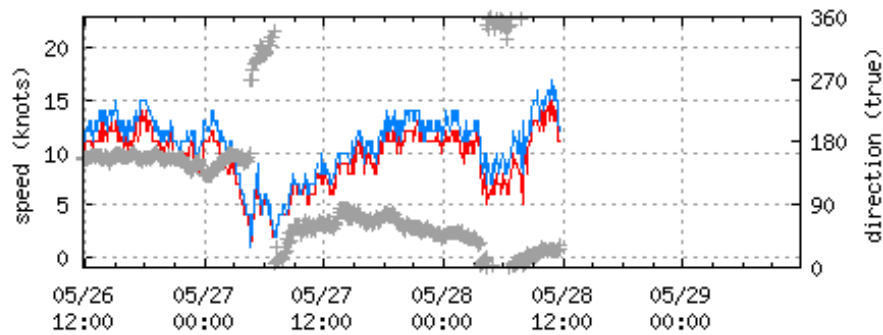
Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW

Observed: -0.93 ft. Predicted: -1.46 ft. Residual: 0.53 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/28/2016 13:04 (EDT), -0.96 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Wind Speed / Gusts / Direction

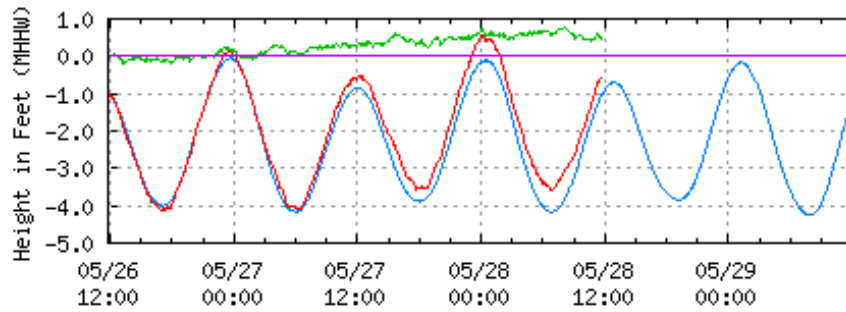


speed — gusts — direction +

Last Observed Sample: 05/28/2016 11:42 (EDT)

Wind Speed: 11 knots Gusts: 12 knots Direction: 31° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

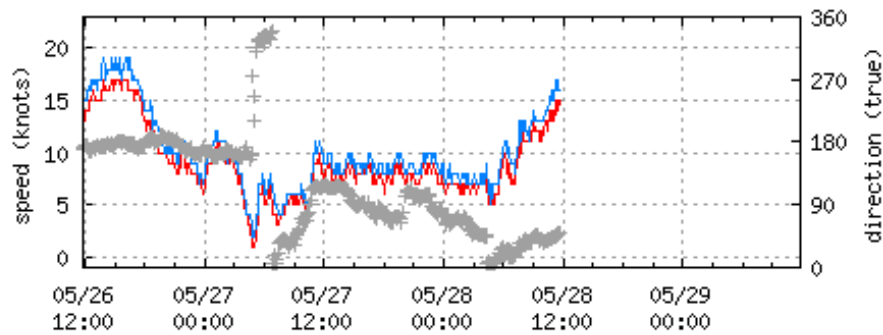
Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW

Observed: -0.57 ft. Predicted: -1.04 ft. Residual: 0.47 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/28/2016 12:54 (EDT), -0.70 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC
Wind Speed / Gusts / Direction

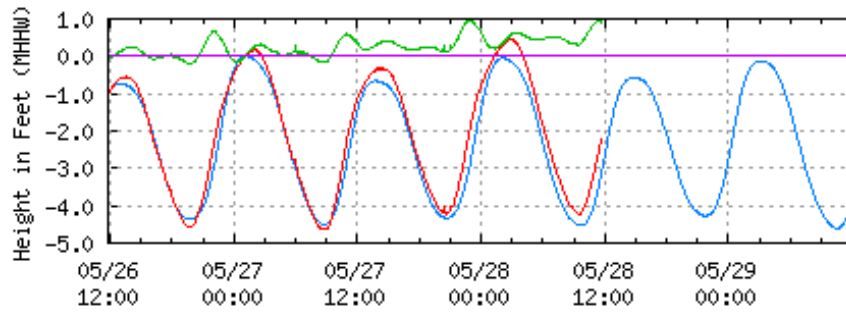


speed — gusts — direction +

Last Observed Sample: 05/28/2016 11:42 (EDT)

Wind Speed: 15 knots Gusts: 16 knots Direction: 49° T

NOAA/NOS/CO-OPS 8658120 Wilmington, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

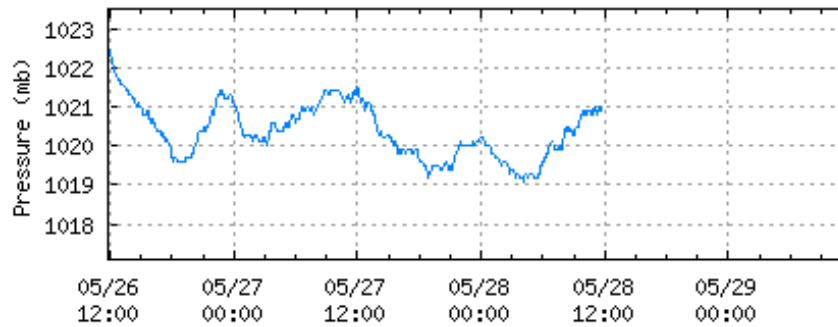
Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW

Observed: -2.19 ft. Predicted: -3.09 ft. Residual: 0.90 ft.

Historical Maximum Water Level: Oct 15 1954, 3.47 ft.

Next High Tide: 05/28/2016 14:53 (EDT), -0.57 ft.

NOAA/NOS/CO-OPS 8658120 Wilmington, NC
Barometric Pressure

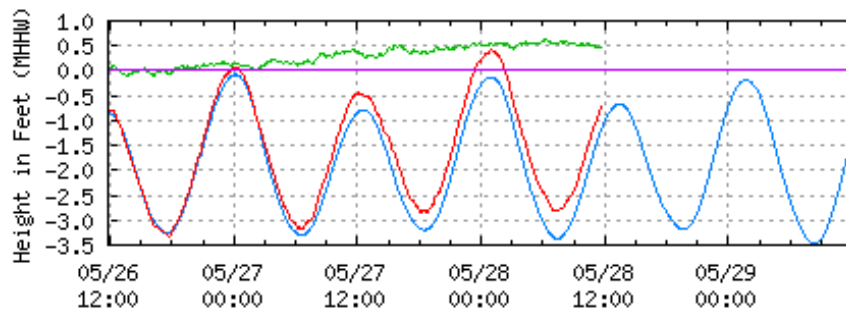


barometric pressure —

Last Observed Sample: 05/28/2016 11:42 (EDT)

Barometric Pressure: 1020.9 mb

NOAA/NOS/CO-OPS 8656483 Beaufort, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

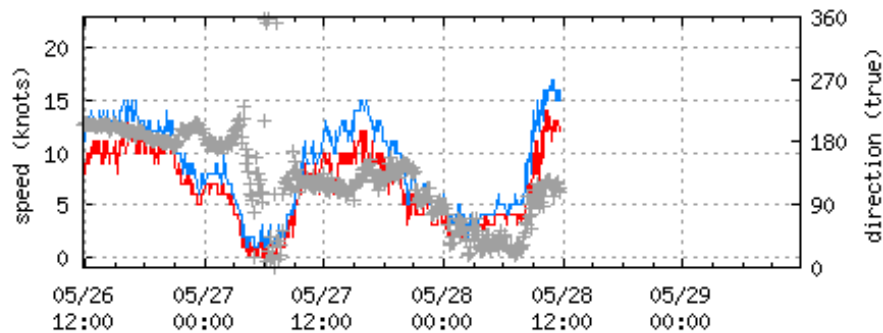
Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW

Observed: -0.71 ft. Predicted: -1.17 ft. Residual: 0.46 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 05/28/2016 13:27 (EDT), -0.67 ft.

NOAA/NOS/CO-OPS 8656483 Beaufort, NC
Wind Speed / Gusts / Direction

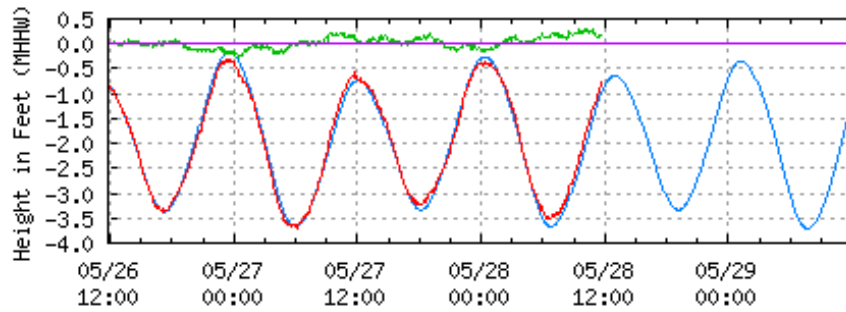


speed — gusts — direction +

Last Observed Sample: 05/28/2016 11:42 (EDT)

Wind Speed: 12 knots Gusts: 16 knots Direction: 113° T

NOAA/NOS/CO-OPS 8651370 Duck, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

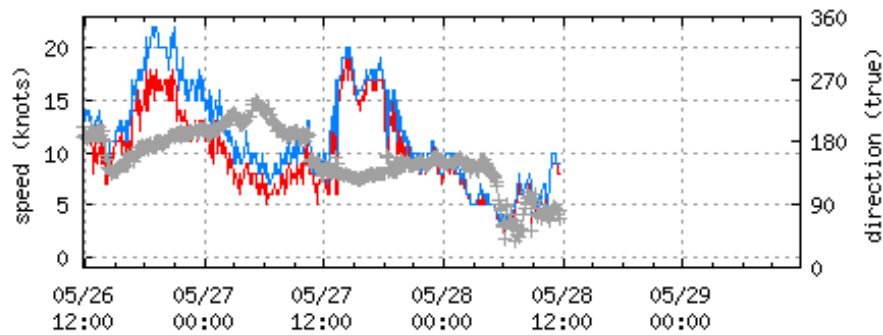
Last Observed Sample: 05/28/2016 11:42 (EDT). Data relative to MHHW

Observed: -0.79 ft. Predicted: -0.98 ft. Residual: 0.19 ft.

Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 05/28/2016 12:58 (EDT), -0.63 ft.

NOAA/NOS/CO-OPS 8651370 Duck, NC
Wind Speed / Gusts / Direction



speed — gusts — direction +

Last Observed Sample: 05/28/2016 11:42 (EDT)

Wind Speed: 8 knots Gusts: 9 knots Direction: 81° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8670870	Fort Pulaski, GA	05/28/2016 11:36 (EDT)	-1.67 ft	-2.44 ft	0.77 ft	0.36 ft
8665530	Charleston, SC	05/28/2016 11:42 (EDT)	-0.87 ft	-1.55 ft	0.68 ft	0.43 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/28/2016 11:42 (EDT)	-1.48 ft	-1.79 ft	0.31 ft	0.40 ft
8661070	Springmaid Pier, SC	05/28/2016 11:42 (EDT)	-0.93 ft	-1.46 ft	0.53 ft	0.38 ft
8658163	Wrightsville Beach, NC	05/28/2016 11:42 (EDT)	-0.57 ft	-1.04 ft	0.47 ft	0.55 ft
8658120	Wilmington, NC	05/28/2016 11:42 (EDT)	-2.19 ft	-3.09 ft	0.90 ft	0.44 ft
8656483	Beaufort, NC	05/28/2016 11:42 (EDT)	-0.71 ft	-1.17 ft	0.46 ft	0.42 ft
8651370	Duck, NC	05/28/2016 11:42 (EDT)	-0.79 ft	-0.98 ft	0.19 ft	-0.37 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce